

# ATP7A Polyclonal Antibody

#### Description

Product type Primary Antibody

Code BT-AP00747

**Host** Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human ATP7A. AA range:591-640

Mol wt 163335/165110/172078/154357

Species reactivity Human, Mouse, Rat

**Clonality** Polyclonal

Recommended application IHC-p, ELISA

Concentration 1 mg/ml

Full name ATP7A Antibody

Synonyms ATP7A; MC1; MNK; Copper-transporting ATPase 1; Copper pump 1; Menkes disease-associated protein

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

## Background

ATP7A (ATPase copper transporting alpha) encodes a transmembrane protein that functions in copper transport across membranes. This protein is localized to the trans Golgi network, where it is predicted to supply copper to copper-dependent enzymes in the secretory pathway. It relocalizes to the plasma membrane under conditions of elevated extracellular copper, and functions in the efflux of copper from cells. Mutations in ATP7A are associated with Menkes disease, X-linked distal spinal muscular atrophy, and occipital horn syndrome. Alternatively-spliced transcript variants have been observed.

## Recommended Dilution

IHC: 1: 100 - 1: 300 ELISA: 1: 40000

Not yet tested in other applications.

## Images



Immunohistochemistry analysis of ATP7A antibody in paraffin-embedded human brain tissue.

## Storage

-20°C for one year